

David Zeltzer, Fraunhofer Center for Research in Computer Graphics, Chair

Rob Molloy, U.S. National Transportation Safety Board

Bill Buxton, Alias/Wavefront, SGI

Chris Miller, SMArt Information Flow Technologies

Steve Chien, Jet Propulsion Laboratory



"My Program (train, airplane, ship, . . .)
Crashed!"

• Today, Human-in-the-Loop, Computer-Based Systems Are Ubiquitous, and Important in Our Daily Lives

– Air transport and ATC, metro transit, plant control, . .





## **Panelists**

- **Deborah Bruce**, Chief, Safety Studies and Statistical Analysis, NTSB, will highlight incidents and accidents related to problems with automation and the human/machine interface
- **Bill Buxton**, Chief Scientist, Alias | Wavefront, will describe some fundamental principles for HMI design
- Chris Miller, Chief Scientist, Smart Information Flow Technologies, will describe successful work on the Rotorcraft Pilots' Associate for the flight deck of the Apache helicopter Steve Chien, Head, AI Group, JPL, will point to some open research questions regarding how humans might interact with remote, automated systems

